

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1. (currently amended): A device for injecting an intraocular lens, the device comprising a syringe body (1) in which a piston (2) is mounted, the assembly configured for handling in one hand; wherein the body (1) is a single piece and comprises a cylindrical portion (3) configured to contain an undeformed lens (4), an injection endpiece (6), and a conical intermediate portion (5); and

wherein an injection end of the piston comprises a plurality of fingers (10a-10b) that flex towards one another as the piston moves while simultaneously pushing the lens; ~~and~~

wherein the fingers, after flexing towards one another, are brought together to form a cylinder that occupies practically the entire section of an end of the body; ~~and~~

wherein the device further comprises the lens and at least one of the plurality of fingers directly contacts the lens to simultaneously push the lens; and

wherein the fingers are brought together such that the lens cannot be trapped between the fingers.

Claim 2. (original): A device according to claim 1, characterized in that the syringe body (1) has an internal longitudinal face that is practically plane, the cylindrical portion (3) and the conical intermediate portion (5) having sections that are approximately semicircular.

Claim 3. (previously presented): A device according to claim 1, wherein the plurality of fingers (10a-10b) are of hard plastic material.

Claim 4. (previously presented): A device according to claim 3, characterized in that a central finger (10a) of the plurality of fingers bears constantly against the curved inside wall of the syringe body so as to limit the risk of the lens becoming jammed.

Claim 5. (previously presented): A device according to claim 3, characterized in that a central finger (10a) of the plurality of fingers is wedge-shaped and is urged towards the curved wall of the syringe body under the effect of side fingers (10b) of the plurality of fingers moving towards each other.

Claim 6. (previously presented): A device according to claim 3, characterized in that a single finger is extended by a spatula (10c) holding the lens against an inside curved face of the body.

Claim 7. (previously presented): A device according to claim 1, wherein the piston includes a guide head and sealing gaskets at the guide head (9); and a stopper is provided closing an end (7) of the body so as to make it possible for the lens to be packaged directly in immersion in a liquid.

Claim 8. (previously presented): A device according to claim 7, characterized by the use of materials that withstand heat, to enable the device and a lens to be sterilized in an autoclave.

Claim 9. (previously presented): The device according to claim 1, wherein the body defines a continuous closed volume opened only at longitudinal ends of the body.

Claim 10. (previously presented): The device according to claim 6, wherein the single finger is a central finger (10a) of the plurality of fingers.

Claim 11. (canceled).

Claim 12. (previously presented): The device according to claim 1, further comprising the lens, and wherein the plurality of fingers directly contact the lens to simultaneously push the lens.

Claim 13. (previously presented): The device according to claim 1, further comprising the lens in direct contact against an inside surface of the injection endpiece or the conical intermediate portion.

Claim 14. (previously presented): The device according to claim 1, wherein the plurality of fingers are at least three in number.

Claim 15. (previously presented): The device according to claim 1, wherein the plurality of fingers are three in number.

Claim 16. (currently amended): A device for injecting an intraocular lens, the device comprising a syringe body in which a piston is mounted, the assembly configured for handling in one hand; wherein the body is a single piece and comprises an elongated opening portion configured to contain an undeformed lens, an injection end piece, and a conical intermediate portion; and

wherein an injection end of the piston comprises a plurality of fingers that flex towards one another as the piston moves while simultaneously pushing the lens; ~~and~~

wherein the injection end piece has a conduit along which the fingers move while being flexed towards one another, and wherein the fingers, after flexing towards one another, are brought together so as to substantially occupy an entire cross-section of the conduit; ~~and~~

wherein the device further comprises the lens and at least one of the plurality of fingers directly contacts the lens to simultaneously push the lens; and

wherein the fingers are brought together such that the lens cannot be trapped between the fingers.

Claim 17. (previously presented): The device according to claim 1, wherein the fingers are brought together so as to come into contact with each other such that each finger contacts at least one other finger.

Claim 18. (previously presented): The device according to claim 16, wherein the fingers are brought together so as to come into contact with each other such that each finger contacts at least one other finger.

Claim 19. (currently amended): The device according to claim 1, wherein the fingers are brought together such that the lens, once in the injection endpiece, cannot be trapped between the ~~said~~-fingers.

Claim 20. (currently amended): The device according to claim 16, wherein the fingers are brought together such that the lens, once in the injection end piece, cannot be trapped between the ~~said~~-fingers.

Claim 21. (new): A device for injecting an intraocular lens, the device comprising:
a syringe body comprising an elongated opening portion configured to contain a lens, an injection end piece, and an intermediate portion with a conduit that reduces in cross-section towards the end piece; and
a piston mounted in the syringe body; and

wherein the piston comprises an injection end with a plurality of fingers that flex towards one another as the piston moves within the syringe body to push the lens;

wherein the injection end piece has a conduit along which the fingers move while being flexed towards one another, such that the fingers, after flexing towards one another, are brought closer together and such that at least one of the plurality of fingers directly contacts the lens to simultaneously push the lens; and

wherein, as the injection end of the piston moves towards the end piece, the fingers are brought together such that the lens cannot be trapped between the fingers.

Claim 22. (new): The device according to claim 21, wherein the fingers are brought together such that the lens, once in the injection end piece, cannot be trapped between the fingers.